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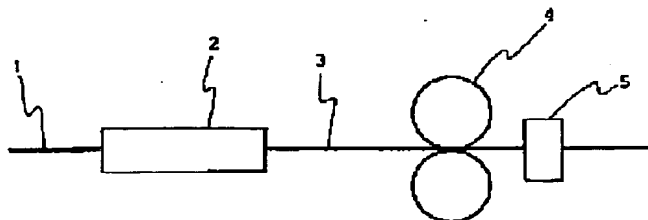
APPLICATION DATE : 10-09-91
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APPLICANT : POLYPLASTICS CO;

INVENTOR : KOBAYASHI NAOYUKI;

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TITLE : MANUFACTURE OF FIBER
REINFORCED COMPOSITE MATERIAL



ABSTRACT : PURPOSE: To obtain long fiber reinforced thermoplastic resin composition, in which no fuzz develops and the adherence between fiber and matrix is excellent, by a method wherein strand is pressed with rolls in the form of ribbon and, after that, shaped by being passed through a shaping nozzle.

CONSTITUTION: Continuous reinforcing fiber roving 2 is introduced in molten thermoplastic resin so as to infiltrate the molten resin in the fibers. Next, the resultant roving is continuously drawn out with a drawing device under the condition that excess resin is squeezed out by means of a nozzle. The resultant strand 3 is pressed with rolls 4 in the form of ribbon and, after that, shaped by being passed through a shaping nozzle 5 in order to strand-shaped fiber reinforced composite material.

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- CONSTITUTION: Continuous reinforcing fiber roving 2 is introduced in molten thermoplastic resin so as to infiltrate the molten resin in the fibers. Next, the resultant roving is continuously drawn out with a drawing device under the condition that excess resin is squeezed out by means of a nozzle. The resultant strand 3 is pressed with rolls 4 in the form of ribbon and, after that, shaped by being passed through a shaping nozzle 5 in order to obtain strand-shaped fiber reinforced composite material.

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